

List of All Chemicals

P Skimmia japonica (Rutaceae)

Common name(s)

Japanese Skimmia

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
(+)-PLATYDESMIN	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
(-)-MERANZIN-HYDRATE	Leaf	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
DICTAMNINE	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities (11)

Antiaggregant

Antibacterial Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Antiviral Economic & Medicinal Plant Research, 5: 199.

Cardiotonic

DNA-Binder Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Fungicide Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Myocontractant Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Pesticide

Photoactive

Phototoxic Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.

Uterocontractant

EDULIN	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
FRIEDOOLEAN-14-EN-3-BETA-OL	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
ISOIMPERATORIN	Leaf	--	3000.0		Chemical Constituents of Oriental Herbs (3 diff. books)

Activities (8)

Antitumor-Promoter
IC₉₄=50 ug/ml

Artemicide ED₅₀=6->100
ug/ml

Calcium-Antagonist

Cytochrome-P450-Inhibitor
2 nM

Cytotoxic (Breast) ED₅₀=6.56 ug/ml Saqib, O. N., Hui, Y. H., Anderson, J. E. and McLaughlin, J. L. 1990. Bioactive Furanocoumarins from the Berries of *Zanthoxylum americanum*. *Phytotherapy Research* 4(6): 216-219.

Cytotoxic (Colon) ED₅₀=>10 ug/ml Saqib, O. N., Hui, Y. H., Anderson, J. E. and McLaughlin, J. L. 1990. Bioactive Furanocoumarins from the Berries of *Zanthoxylum americanum*. *Phytotherapy Research* 4(6): 216-219.

DME-Inhibitor IC₅₀=46 uM Advance in Chinese Medicinal Materials Research. 1985. Eds. H. M. Chang, H. W. Yeung, W. -W. Tso and A. Koo. World Scientific Publishing Co., Philadelphia Pa., page 134.

Pesticide

ISOMERANZINE	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
MERANZIN-HYDRATE	Leaf	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
OXYPECEDANIN-METHANOLATE	Leaf	--	400.0		Chemical Constituents of Oriental Herbs (3 diff. books)
OXYPECEDANIN	Leaf	--	800.0	1.0	Chemical Constituents of Oriental Herbs (3 diff. books)

Activities (6)

Antitumor-Promoter IC₃₂=50
ug/ml

DME-Inhibitor IC50=81 uM				Advance in Chinese Medicinal Materials Research. 1985. Eds. H. M. Chang, H. W. Yeung, W. -W. Tso and A. Koo. World Scientific Publishing Co., Philadelphia Pa., page 134.
Fungicide MIC=10 ug				
Lipolytic				
Mutagenic				Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.

OXYPEUCEDANIN-HYDRATE	Leaf	--	280.0	Chemical Constituents of Oriental Herbs (3 diff. books)
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Activities (2)				
Antihistaminic	25 mg/kg ipr mus			
Calcium-Antagonist				

SESELIN	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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Activities (3)				
Antileukemic IC50=17.3 ug/ml				
Fungicide				
Pesticide				

SKIMMIANINE	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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Activities (21)				
Abortifacient				
Adrenostimulant				
Analgesic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Anticonvulsant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Antidiuretic				
Antimalarial IC50=48.2 ug/ml	Khalid, S.A., Farouk, A., Geary**, T.G., and Jensen, J.B. 1985. Potential Antimalarial Candidates From African Plants: An In Vitro Approach Using Plasmodium falciparum*. Journal of Ethnopharmacology, 15: 201-209, 1986.			
Antipyretic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Antispasmodic				
CNS-Depressant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
CNS-Stimulant				
Candidicide	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Ecboic				
Hypertensive				
Hypothermic	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)			
Myorelaxant				
Myotonic				
Pesticide				
Phototoxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Sedative	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)			
Uterocontractant				
Vasodilator				

SKIMMINE	Twig	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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TARAXEROL	Leaf	--	1700.0	Chemical Constituents of Oriental Herbs (3 diff. books)
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Activities (2)				
Antisecretory	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Antilucer	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			